Author Index of Volume 54

Abkowitz, M. A., 417
Agrinskaya, N. V., 289
Aktsipetrov, O., 327
André, J.-J., 67
Angulo, E., 217
Armstrong, N. R., 351
Aroca, R., 229
Askadskaya, L., 339

Bargon, J., 223, 243
Bässler, H., 49
Batistić, I., 237
Baumann, R., 243
Behnck, W., 223
Bengtsson, P., 187
Benner, R. E., 93
Bernard, M., 67
Bishop, A. R., 237, 385
Blinov, L. M., 253
Bradley, D. D. C., 401
Bree, A., 1
Breen, J., 203
Buchholz, S., 339
Burn, P. L., 281
Byrne, H. J., 265

Campbell Scott, J., 9
Cao, Y., 321
Chastaing, E., 139
Chau, L.-K., 351
Chen, M., 155
Collins, G. E., 351
Crespo, R., 173, 181
Crystall, B., 281

Daikhin, L., 327
Dakhnovskii, Y. I., 295
Dalton, L. R., 155
Danieli, R., 21
Danilov, A. I., 195
Deloffre, F., 435
de Ruiter, B., 203
de Saja, J. A., 229
Deussen, M., 49
Dmitriev, D. V., 163
Dolgov, E. N., 163, 169
Donkers, J. J. T. M., 453
Driessen, A., 301
Dumont, M., 373
Dyakonov, V., 427

Ehrenfreund, E., 113, 321
England, C., 351
Epstein, A. J., 113
Ermushev, A., 327
Etemad, S., 35

Fernando, Q., 351
Friend, R. H., 281

Galvão, D. S., 35
Gammel, J. T., 237, 385
Garnier, F., 435
Guerri, S., 447
Guk, E. G., 289

Hagen, G., 315
Hajlaoui, R., 435
Havinga, E. E., 453
Hmyene, M., 435
Hoekstra, H. J. W. M., 301
Holmes, A. B., 281
Hönle, W., 265
Horowitz, G., 435
Huang, X. Z., 385

Jelle, B. P., 315

Kajzar, F., 21
Kanner, G. S., 331
Karg, S., 427
Kepler, R. G., 35, 391
Kobayashi, T., 75
Krings, L. H. M., 453
Křivka, I., 187
Kubát, J., 187
Kužel, R., 187

Lanzani, G., 93, 331
Le Barny, P., 139, 147
Ledoux, I., 123
Lee, P. A., 351
Lemoine, V., 147
Lennarz, K., 243
Levi, M. D., 195, 327
Love, S. P., 385
Lowe, T., 351
Maser, W. K., 265
Mathis, C., 67
Mittelbach, A., 265
Moerner, W. E., 9
Molodkina, E. B., 195
Moses, D., 273, 321
Movaghar, B., 265
Muller, S., 139

Nebesney, K. W., 351
Netzer, F. P., 209

Ødegård, R., 315
Offrein, B. J., 301
Ortí, E., 173, 181
Ostojal, P., 447
Otero, T. F., 217

Papuchon, M., 147
Pautmeier, L. Th., 9
Pellé, F., 139
Periasamy, N., 57
Petit, P., 67
Petukhov, A., 327
Piaggi, A., 331
Piqueras, M. C., 173, 181
Pisarevskaya, E. Yu., 195
Pocholle, J. P., 147
Poplawski, J., 113
Popma, Th. J. A., 301
Prokeš, J., 187
Pronin, K. A., 295

Rabe, J. P., 339
Ramasesha, S., 35
Ramsey, M. G., 209
Reibel, D., 67
Remizova, L. A., 289
Riess, W., 427
Robin, P., 139, 147
Rodríguez, M. L., 229
Rodriquez, J., 217
Rossini, S., 21, 447
Roth, S., 265
Ruani, G., 57
Rühle, W. W., 265
Rumbles, G., 281

Samuel, I. D. W., 281
Santamaria, C., 217
Sapochak, L. S., 155
Saxena, A., 237, 385
Schwoerer, M., 427
Sekkat, Z., 373
Servidori, M., 447
Sherman, E. Ya., 169
Simon, J., 253
Soos, Z. G., 35, 391
Souto, J., 229
Srdanov, V. I., 273
Stefan, O., 187
Steinmüller, D., 209
Stolka, M., 417
Subachius, D. B., 253
Sunde, S., 315
Swanson, B. I., 385

Taliani, C., 21, 57, 447
Thorne, J. R. G., 391
Tomás, F., 173, 181
Tournilhac, F., 253
Tubino, R., 331

van de Leur, R. H. M., 203
Van Schoot, J. B. P., 301
Vardeny, Z. V., 93, 99, 113, 273, 321, 331
Vereta, V., 327
von Schnering, H. G., 265
Vork, F. T. A., 453

Wachtel, H., 363
Wei, X., 99, 273, 321
Williams, V. S., 351
Worl, L. A., 385
Wudl, F., 273

Xu, C., 155

Yablonsky, S. V., 253
Yassar, A., 435
Yu, L. P., 155

Zamboni, R., 21, 57, 447
Zheng, L. X., 93

Subject Index of Volume 54

Absorption-detected magnetic resonance
studies of photoexcitations in conducting polymers by ADMR technique, 99
Absorption spectra
anion and cation, of conjugated oligomers and polymer, 49
Azo dyes
photoinduced orientation of, in polymeric films; characterization of molecular angular mobility, 373

Basicity constant
of side groups, non-linear optical properties modification in some substituted polydiacetylenes due to change of, 289

Carbon
epitaxial phthalocyanine thin films and phthalocyanine/C_{60} multilayers, 351
nonlinear optical properties of sublimed C_{60} thin films, 21
ODMR spectroscopy of photoexcitations in C_{60} and C_{70} polystyrene glasses, 273
Charge transport
trap-free, in polymers, with tunable mobilities, 417
Chlorine containing polymers
light induced conversion of, in presence of pyrrole into conducting patterns, 243
Conducting polymers
studies of photoexcitations in, by absorption-detected magnetic resonance technique, 99
Conductive polymeric systems
new, 187
Conjugated oligomers
all-organic FETs made of, and polymeric insulators, π-, 435
anion and cation absorption spectra of, and polymer, 49
electroluminescence, 401
electronic excitations and alternation of, 35
non-linear optical properties of, in SSH model; third harmonic generation, 295
ultrafast relaxation in, 75
Conjugation length
photoexcitations in polyacetylene with controlled, 331
Counterelectrode
application of polypyrrole as, in electrolytic capacitors, 453

Dicyanoquinonediimine
processing of conducting DCNQI radical ion salt films by solid state reactions, 363
Dynamic light modulation
in electrochromic window consisting of polyaniline, W oxide and solid polymer electrolyte, 315

Electrical characteristics
of FETs formed with ordered α-sexithienyl, 447
Electrical characterization
of poly(phenylene-vinylene) light emitting diodes, 427
Electrochemical behaviour
and structural characterization of highly crystalline poly(*p*-phenylene) films obtained by oxidation of benzene in concentrated sulfuric acid emulsion, 195
Electrochromic window
dynamic light modulation in, consisting of polyaniline, W oxide and solid polymer electrolyte, 315
Electroluminescence
conjugated polymer, 401
Electrolytic capacitors
application of polypyrrole as counterelectrode in, 453
Electron–electron scattering
transport properties of Q1D metals, 163
Electron–hole charge separation
photoinduced, intrinsic self-doping and novel device applications of Q1D

heterojunction materials; mixed-halide MX solids, 385
Electronic excitations
and alternation of conjugated polymers, 35
Electronic levels ordering
in α-sexithienyl, 57
Electronic properties
of poly(pyrrylene vinylenes); theoretical approach, 181
of polysilane, theoretical investigation on effects of methyl substitution on, 173
Electron spectroscopic studies
of models for PPP and PT on p- and n-doping, 209
Electro-optic modulator
and second-harmonic generator with nonlinear polymers, 147
ESR spectra
femtosecond dynamics, photoexcitation and, of MX chain solids, 237
ESR study
sample dependence of magnetic behaviour of polyacetylene; pulsed ESR comparative study, 67
Excited states
magneto-optical characterization of, in short *trans* chains of partially isomerized polyacetylene, 321
Exciton kinetics
in poly(di-n-hexylsilane), 391

Ferroelectrics
physical properties of achiral mesomorphic, 253
Field-effect transistors
all-organic FETs made of π-conjugated oligomers and polymeric insulators, 435
electrical characteristics of FETs formed with ordered α-sexithenyl, 447
Fullerenes
photoluminescence of solid state, 265

Graphite
scanning tunelling microscopy of several alkylated molecular moieties in monolayers on, 339

Insulator-to-metal transition
second optical harmonic generation in vicinity of, in polyaniline film, 327

Langmuir–Blodgett
and vacuum sublimed films of Tb bisphthalocyanine, 229
Light emitting diodes
electrical and optical characterization of poly(phenylene-vinylene), 427
Light induced conversion
of chlorine containing polymers in presence of pyrrole into conducting patterns, 243
Luminescence measurements
time-resolved, in poly(*p*-phenylenevinylene), 281

Magnetic behaviour
of polyacetylene, sample dependence of; pulsed ESR comparative study, 67
Magneto-optical characterization
of excited states in short *trans* chains of partially isomerized polyacetylene, 321
Mesomorphic ferroelectrics
physical properties of achiral, 253
Molecular angular mobility
photoinduced orientation of azo dyes in polymeric films; characterization of, 373
Molecular crystals
past and present, 1
Molecular engineering
new advances in, for quadratic nonlinear optics, 123
Molecularly doped polymers
photoconduction and photorefraction in MDPs, 9
Molecular moieties
scanning tunnelling microscopy of several alkylated, in monolayers on graphite, 339
MX chain solids
femtosecond dynamics, photoexcitation and ESR spectra of, 237
MX solids
mixed-halide; photoinduced electron–hole charge separation, intrinsic self-doping and novel device applications of Q1D heterojunction materials, 385

Nonlinear optical materials
recent advances in synthesis and characterization of; second-order materials, 155
Nonlinear optical properties
of conjugated polymers in SSH model; third harmonic generation, 295
modification in some substituted polydiacetylenes due to change of basicity constant of side groups, 289
of sublimed C_{60} thin films, 21
Nonlinear polymers
electro-optic modulator and second-harmonic generator with, 147

ODMR spectroscopy
of photoexcitations in C_{60} and C_{70} polystyrene glasses, 273
Onium salts
polymerization of pyrrole by laser induced photolysis of, 223
Optical characterization
of poly(phenylene-vinylene) light emitting diodes, 427

Photoconduction
and photorefraction in molecularly doped polymers, 9
Photoexcitation(s)
in conducting polymers by absorption-detected magnetic resonance technique, 99
femtosecond dynamics, and ESR spectra of MX chain solids, 237
ODMR spectroscopy of, in C_{60} and C_{70} polystyrene glasses, 273
in polyacetylene with controlled conjugation length, 331
Photogeneration
intrachain, of polarons in poly(3-methylthiophene), 113
Photoinduced orientation
of azo dyes in polymeric films; characterization of molecular angular mobility, 373
Photoluminescence
of solid state fullerenes, 265
Photorefraction
in molecularly doped polymers, photoconduction and, 9
Phthalocyanine
epitaxial phthalocyanine thin films and phthalocyanine/C_{60} multilayers, 351
Physical properties
of achiral mesomorphic ferroelectrics, 253
Polarons
intrachain photogeneration of, in poly(3-methylthiophene), 113
Polyacetylene
magneto-optical characterization of excited states in short *trans* chains of partially isomerized, 321
photoexcitations in, with controlled conjugation length, 331
picosecond transient resonant Raman scattering in partially isomerized polyacetylene films, 93
sample dependence of magnetic behaviour of; pulsed ESR comparative study, 67
Polyaniline
dynamic light modulation in electrochromic window consisting of, W oxide and solid polymer electrolyte, 315
second optical harmonic generation in vicinity of insulator-to-metal transition in, film, 327
Polydiacetylenes
non-linear optical properties modification in some substituted, due to change in basicity constant of side groups, 289
Poly(di-n-hexylsilane)
exciton kinetics in, 391
Poly(3-n-hexylthiophene)
thermal dedoping of, films, 203
Polymeric insulators
all-organic FETs made of π-conjugated oligomers and, 435
Polymerization
of pyrrole by laser induced photolysis of onium salts, 223
Poly(3-methylthiophene)
intrachain photogeneration of polarons in, 113
Poly(*p*-phenylene)
electrochemical behaviour and structural characterization of highly crystalline, films obtained by oxidation of benzene in concentrated sulfuric acid emulsion, 195
electron spectroscopic studies of models for, and PT on p- and n-doping, 209

Poly(phenylene-vinylene)
electrical and optical characterization of, light emitting diodes, 427
Poly(*p*-phenylenevinylene)
time-resolved luminescence measurements in, 281
Polypyrrole
application of, as counterelectrode in electrolytic capacitors, 453
stability of thick, films electrogenerated on stainless steel, 217
Poly(pyrrylene vinylenes)
electronic properties of, theoretical approach, 181
Polysilane
theoretical investigations on effects of methyl substitution on electronic properties of, 173
Polystyrene glasses
ODMR spectroscopy of photoexcitations in C_{60} and C_{70}, 273
Polythiophene
electron spectroscopic studies of models for PPP and, on p- and n-doping, 209
Prism coupling
characterization of optical third-order non-linearities by, and pulse shape analysis on ps timescale, 301
Pulse shape analysis
characterization of optical third-order non-linearities by prism coupling and, on ps timescale, 301
Pyrrole
light induced conversion of chlorine containing polymers in presence of, into conducting patterns, 243
polymerization of, by laser induced photolysis of onium salts, 223

Q1D conducting materials
two-phonon Raman scattering in, with soft phonon mode, 169
Q1D heterojunction materials
photoinduced electron–hole charge separation, intrinsic self-doping and novel device applications of; mixed-halide MX solids, 385
Q1D metals
transport properties of (electron–electron scattering), 163
Quadratic nonlinear optical properties
of thermally crosslinkable polymers, 139
Quadratic nonlinear optics
new advances in molecular engineering for, 123

Resonant Raman scattering
picosecond transient, in partially isomerized polyacetylene films, 93

Scanning tunnelling microscopy
of several alkylated molecular moieties in monolayers on graphite, 339
Second-harmonic generator
electro-optic modulator and, with nonlinear polymers, 147
Second optical harmonic generation
in vicinity of insulator-to-metal transition in polyaniline film, 327
Second-order materials
recent advances in synthesis and characterization of nonlinear optical materials, 155
α-Sexithenyl
electrical characteristics of FETs formed with ordered, 447
electronic levels ordering in, 57
Stability
of thick polypyrrole films electrogenerated on stainless steel, 217
Structural characterization
electrochemical behaviour and, of highly crystalline poly(*p*-phenylene) films obtained by oxidation of benzene in concentrated sulfuric acid emulsion, 195

Thermal dedoping
of poly(3-n-hexylthiophene) films, 203
Thermally crosslinkable polymers
quadratic nonlinear optical properties of, 139
Terbium bisphthalocyanine
Langmuir–Blodgett and vacuum sublimed films of, 229
Third harmonic generation
non-linear optical properties of conjugated polymers in SSH model, 295
Third-order optical non-linearities
characterization of, by prism coupling and pulse shape analysis on ps timescale, 301

Transport properties
of Q1D metals (electron–electron scattering), 163
Tunable mobilities
trap-free charge transport in polymers, with 417
Tungsten oxide
dynamic light modulation in electrochromic window consisting of polyaniline, W oxide and solid polymer electrolyte, 315
Two-phonon Raman scattering
in Q1D conducting materials with soft phonon mode, 169

Ultrafast relaxation
in conjugated polymers, 75